



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361-0001

IN REPLY REFER TO

NAVAIRINST 5400.129
AIR-1002

26 Sep 88

NAVAIR INSTRUCTION 5400.129

From: Commander, Naval Air Systems Command

Subj: DESIGNATION OF CRUISE MISSILES COMMAND AND CONTROL PROGRAM (PMA281)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1B
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

Encl: (1) Charter for the Cruise Missiles Command and Control Program Manager (PMA281)

1. Purpose. This instruction continues the Cruise Missiles Command and Control Program (PMA281) as a designated program under direction of the Commander, Naval Air Systems Command (COMNAVAIR); assigns the program manager (PM); and issues a charter, enclosure (1), which provides the program's scope, operating relationships, organization, resources, and outlines the authority and responsibility of the PM.

2. Background

a. The Navy established the Cruise Missiles Program (CMP) under management of the Naval Air Systems Command (NAVAIR) on 19 December 1972. The (former) Naval Ordnance Systems Command (NAVORD), and Naval Ship Systems Command (currently the Naval Sea Systems Command (NAVSEA)) assisted in its management. NAVAIR and NAVORD published a joint charter on 16 April 1973 which established the CMP as a designated program (program manager air (PMA)) under direction of COMNAVAIR and assigned the PM and a NAVORD Deputy PM.

b. On 30 September 1977, the Director of Defense Research and Engineering (DDR&E) formed the Joint Cruise Missiles Program Office (JCMPO). DDR&E assigned JCMPO the highest national priority and directed the following changes:


(1) The PM was to report directly to the (former) Chief of Naval Material under the code JPM3.

(2) The Navy and Air Force JCMPO was responsible for developing the air-launched cruise missile (ALCM) through its Defense Systems Acquisition Review Council (DSARC) III production decision. After DSARC III, the plan was to assign the ALCM and ground launched cruise missile (GLCM) PM responsibilities to the Air Force and the sea-launched cruise missile (SLCM) to the Navy.

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4. Approval. COMNAVAIR hereby approves the charter for PMA281, enclosure (1).



J. B. WILKINSON

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Commander, Air Force Systems Command, Andrews AFB, Washington, DC 20334
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CHARTER FOR THE
CRUISE MISSILES COMMAND AND CONTROL
PROGRAM MANAGER (PMA281)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1B
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

1. Introduction

a. This charter provides the authority and responsibility of the Cruise Missiles Command and Control Program Manager (PM), and defines the program's scope, operating relationships, organization, and resources.

b. This program will be conducted following management principles identified in references (a) through (f).

2. System Description. PMA281 consists of a series of common, interoperable planning systems and associated communication; information exchange; intelligence; mapping, charting and geodesy; and over-the-horizon targeting subsystems to optimize both TOMAHAWK and tactical aircraft strike warfare planning and employment. The systems include the:

a. Current theater mission planning center (TMPC) configuration which consists of the theater mission planning system (TMPS) and the mission data distribution system (MDDS) with its associated subsystems. The MDDS subsystems include the mission display system (MDS); general front-end communications processor (GFCP); data transport device (DTD) certification processor; and TMPC configuration control network (TCCN).

(1) TMPS prepares mission data for the employment of all TOMAHAWK land attack missiles (TLAM's).

(2) MDDS distributes the mission data to launch platforms physically on DTD's (nuclear certified for TLAM/N (nuclear)) and electronically as mission data updates (MDU's) via the officer-in-tactical-command information exchange subsystem (OTCIXS) and tactical-data information exchange subsystem (TADIXS) of the Fleet Satellite Communication System. The MDDS also distributes TOMAHAWK command information (TCI) physically to launch platforms in TOMAHAWK platform information packages (TPIP's) and to command and control (C²) nodes in TOMAHAWK employment planning packages (TEPP's). The system updates the TPIP's and TEPP's electronically as TCI via the OTCIXS and TADIXS.

(3) MDS provides planners and operational users with a method for displaying TOMAHAWK mission data and TCI required for C² decisionmaking functions.

(4) TMPS is a joint Navy and Air Force program which plans both TLAM and ground launched cruise missile (GLCM) missions. The Cruise Missiles Program (CMP) and the Joint Data Systems Support Center (JDSSC), an organization of the Defense Communications Agency, provide software maintenance support.

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b. TMPC upgrade program will replace the TMPC's starting in 1990 and will improve conventional TLAM mission planning responsiveness.

c. Afloat Planning System (APS) will capture the upgrade's functionality and software and rehost it on down sized computers in Navy platforms. This will distribute the mission planning capability across the fleet improving the responsiveness of the TOMAHAWK weapon system, and enhancing its survivability and functional autonomy.

d. Tactical Aircraft Planning System (TAMPS) captures the functionality and software of the current TMPS and rehosts it on desk top computers to provide Navy and Marine Corp aircrews with an automated planning capability. The system will ultimately provide a single, standard planning capability supporting all Navy and Marine Corps aircraft.

e. Integrated Strike Planning System (ISPS) will optimize the planning and employment of fleet strike warfare assets. It will provide the Navy commanders with a planning tool to perform weaponry and targeting, to develop coordinated and integrated cruise missile and Tactical Air Forces (TACAIR) strike plans, and to task TOMAHAWK capable platforms and aviation units to employ their assets.

3. Program Scope

a. The scope of the program includes all phases of the acquisition life cycle from operational requirements coordination through support of the Navy's mission planning systems and associated C² subsystems. In addition, the following related activities are within the scope of the program:

(1) Integrated strike warfare system design, development, and deployment.

(2) Cruise missiles over-the-horizon targeting and detection, classification, tracking; and battle damage assessment development, coordination, and integration.

(3) Development activities associated with applying TMPC technology to other programs and technology from other programs to TMPC.

(4) Maintenance support of the administrative automated data processing base.

(5) Management of all intelligence matters dealing with the TOMAHAWK weapon system and related cruise missile technology programs.

b. Funds identified in the Five-Year Defense Program (FYDP) and assigned to the Cruise Missiles Command and Control PM to obligate in the execution of program objectives include:

(1) Program element (PE) 63717,N (Navy), TMPC Research, Development, Test and Evaluation, Navy (RDT&E,N), fiscal year (FY) 1986 and prior, Office of the Chief of Naval Operations (OP-094) lead.

(2) PE 64707,N TMPC RDT&E,N, FY 1987 and beyond, OP-094 lead.

(3) PE 28009,N TMPC Weapon Procurement, Navy (WPN), and Operation and Maintenance, Navy (O&M,N), OP-03 lead.

(4) PE 64367,N, APS RDT&E,N, OP-03 lead.

(5) PE 24229,N, APS Operations Procurement, Navy (OPN), OP-03 lead.

(6) PE 64367,N, ISPS RDT&E,N, OP-03 (resource sponsor with OP-05).

(7) PE 24161,N, TAMPS WPN, OP-05 lead.

(8) PE 78017,N, TAMPS O&M,N, OP-05 lead.-

c. This is an acquisition category II program.

d. The PM's billet (military officer (O-6)) is equivalent to a major command.

e. This is a major program.

4. Authority and Responsibilities

a. Effective 1 July 1987, CAPT Gerald L. Smith, USN, was designated PM of the Cruise Missiles Command and Control Program (PMA281). The PM is the single central executive responsible for managing the program and accomplishing objectives stated in this charter. The PM has broad directive authority within the scope of the program to plan, direct, control, and use resources not only for approved programs, but also for related in-house and contractor efforts. This includes assigning responsibility, as appropriate, to the various Naval Air Systems Command Headquarters (NAVAIRHQ) functional elements within the overall framework outlined in references (a) through (e). As the responsible executive, the PM will act on initiatives which affect the program. When actions are required beyond the authority granted in this charter, the PM will refer the action to higher authority, with recommendations, including alternatives available.

b. When conflicts exist between program and functional policies, actions directed by the PM will be continued until final solution.

c. The PM's mission is to provide certain unified and specified commanders, the operating forces and C² nodes with the mission planning C² capabilities required for a fully developed, supported, and reliable TOMAHAWK weapon system. This includes the existing operational TMPC, the evolving C² subsystems and supporting communications (e.g., MDS, TCCN, etc.), the TMPC upgrade program and APS intended for fleet introduction in the future, and integrated strike warfare capabilities which support the employment of TOMAHAWK in concert with other forces.

d. Following reference (f), the PM is authorized to prepare and sign fitness reports for all military personnel (commanders and below), and execute performance evaluations for civilian personnel assigned full time to the

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program office. The PM may submit concurrent fitness reports on other officers junior to the PM that are working for PMA281 in the functional support groups.

e. The Program Director Air for Cruise Missiles (PDA14) has delegated to the PM the authority to establish, maintain, and manage the special security; intelligence; and scientific and technical intelligence aspects of the cruise missile program. The PM, working with the nuclear safety and certification component of the Surface Ship Launched Cruise Missiles Program (PMA283), has nuclear safety responsibility for efforts under the PM's cognizance.

f. When an official above the PM exercises decision authority on program matters, the decision will be documented with a copy to the decision authority, as official program direction to the PM. The official will be held responsible for the decision, following enclosure (1), paragraph 11b of reference (e).

5. Limitations of Authority

a. The PM does not have the authority to deviate from policy established by higher authority.

b. Communication, action, or inaction in any form which contractors may interpret as direction will be conducted only through an appropriately assigned contracting officer.

6. Relationship to Chartering Authority. The PM receives authority from and is accountable to the Commander, Naval Air Systems Command (COMNAVAIR) for discharge of the latter's management responsibility for PMA281. The Director, CMP is responsible for managing the total TOMAHAWK Program and is directly accountable to COMNAVAIR, the Program Executive Officer (reference (a)). The Director, CMP will write the PM's fitness report, and the PM will report directly to the Director, CMP for program management direction. When the Director, CMP is unavailable and urgency dictates immediate communication with COMNAVAIR, the PM will brief the Director, CMP as soon as possible.

7. Specific Interface and Operating Relationships. The PM will accomplish the following:

a. Coordinate appropriate interface segments of the program with other program directors, PM's, and systems commands (SYSCOM's). Coordinate requirements, technical design, and budgetary issues with the Office of the Chief of Naval Operations (OPNAV) staff elements, user requirements, training, and deployed system performance with the designated unified and specified commanders and their component commanders as appropriate. Maintain liaison with national and service intelligence agencies to support TOMAHAWK weapon system requirements definition and threat assessments, and related cruise missile technology programs exploitation. Establish memorandums of agreement with other agencies relative to the effective support of the TMPC program.

b. Establish interface design specifications to ensure weapon systems integration. The PM will coordinate with cognizant Space and Naval Warfare Systems Command, Naval Sea Systems Command Headquarters PM's, and logistics

division directors to ensure adequate planning, integration, and support for C² subsystem requirements. Refer interface problems not resolved at the PM level directly to the Director, CMP.

c. Maintain active liaison with cognizant members of the Naval Air Systems Command (NAVAIR) staff and program coordinators in OPNAV, per the Navy Programming Manual. The PM will keep the foregoing personnel informed of status and progress of the program through formal and informal communication.

d. Keep the Office of Vice Commander (AIR-09), Military Affairs Officer (AIR-09X) informed of military personnel requirements.

e. Review support provided by participating organizations to ensure that it satisfies approved program and operating objectives. When the PM cannot resolve deficiencies, the problems and recommendations will be submitted to the Director, CMP.

f. When appropriate, establish requirements for and acquire special or additional facilities necessary to develop, test, evaluate, install, train, operate, and maintain C² subsystems. Identify facility requirements to participating organizations in order for planning, programming, and construction schedules to meet program milestones.

g. Ensure adequacy of program documentation (Navy decision coordinating paper, test and evaluation master plan, program management proposal, and acquisition plan).

h. The PM will maintain active liaison, via chain of command, with appropriate program coordinators in OPNAV, Secretary of the Navy, Joint Chiefs of Staff, Office of the Secretary of Defense, Commander, Operational Test and Evaluation Forces, and other agencies on matters concerning approval for service use. When the PM conducts concurrent evaluations (technical and operational) the PM will coordinate the Director, CMP's responsibilities for the technical phases.

i. Draw on resources of functional organizations within the CMP and NAVAIRHQ to meet required milestones. When the PM cannot resolve conflicts between program policies and objectives, the problem will be referred to the Director, CMP. Pending resolution, the PM will continue to execute the program.

j. Procure test and support equipment, technical documentation, training aids, training equipment, and devices as needed through contractors and appropriate Navy logistics support activities. Due to specialized considerations, the program will develop budgetary and quantitative requirements for spares and repair parts.

8. Program Staffing and Organization. The PM will organize the program office and direct its activities. The program office organization, shown in appendix A of this enclosure, will provide life cycle support for the current TMPC's and focus on developing the TMPC upgrade, APS, and related C² and strike warfare programs. Other billets may be added as approved by higher authority.

9. Participating Organizations

a. The functional organizations of NAVAIRHQ will support the PM under responsibilities in references (b) and (c). Appendix B lists key manpower resources in the NAVAIRHQ functional areas. NAVAIRHQ support also includes space allocations, office services, general security, graphic arts, communications, and other support as necessary. When the PM cannot resolve conflicts between program and functional policies and objectives, the problem will be referred to COMNAVAIR via the Director, CMP for resolution. The PM will communicate directly with all NAVAIRHQ divisions and directorates in fulfilling responsibilities.

b. SYSCOM's will support the PM per material support responsibilities assigned by OPNAV.

c. The PM will communicate directly with NAVAIR field activities and other Government organizations, as listed in appendix C, which support PMA281. Additional activities will be identified as required within security guidelines. The PM will coordinate formal work assignments to NAVAIR activities through the appropriate functional organization in NAVAIRHQ. Assignments to activities not under NAVAIRHQ control will be coordinated with cognizant headquarters organizations, following established procedures. The PM will establish memorandums of agreement between COMNAVAIR and organizations not under NAVAIR control, as applicable.

10. Intelligence Support and Special Security. PMA281 will provide scientific and technical intelligence support and special security management to the CMP, as necessary. The PM will also serve as the responsible officer for the Communications Material Security Program in the CMP.

11. Resources Assessment

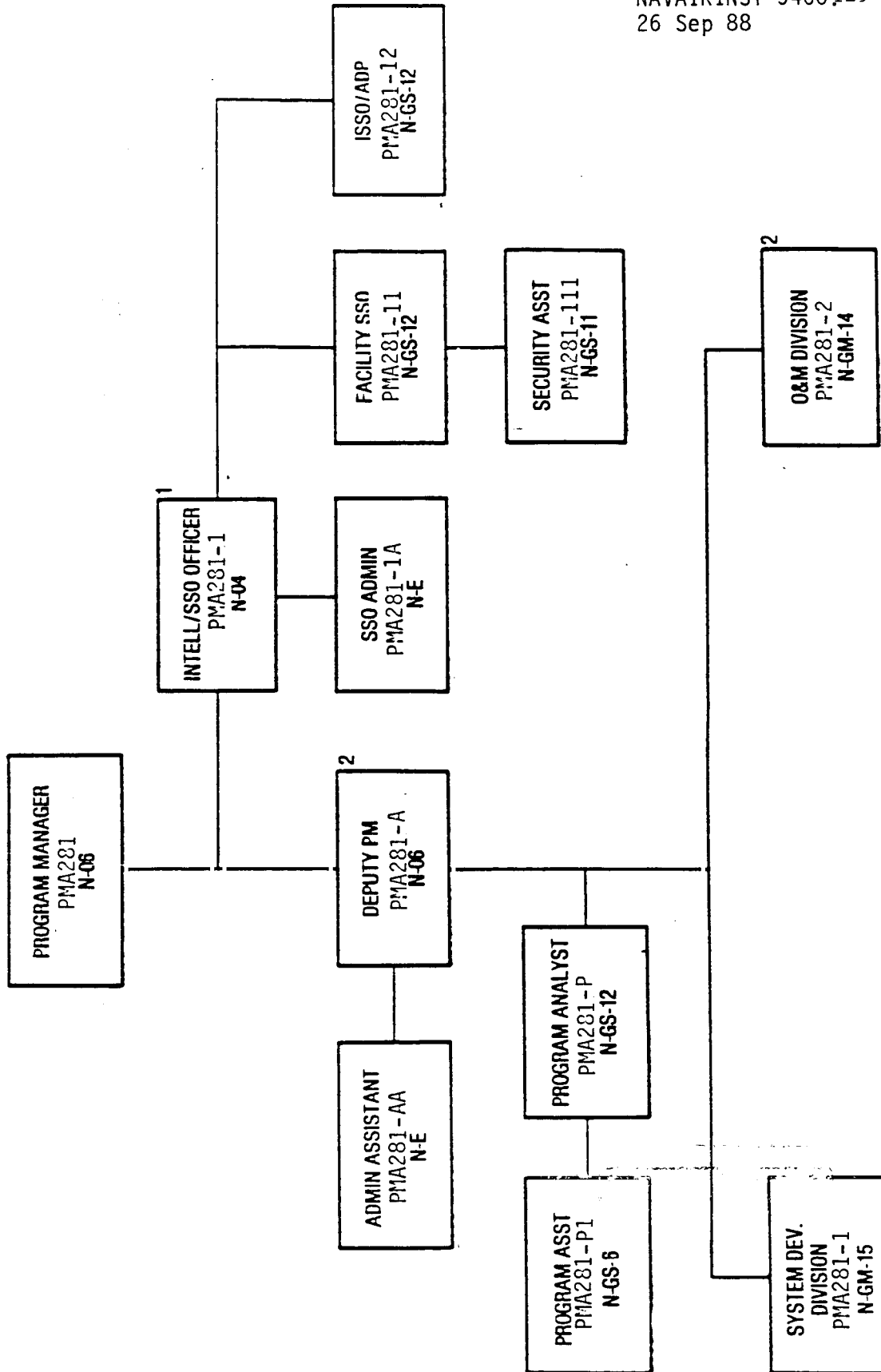
a. The PM will evaluate and document the effect of proposals to increase or decrease resources authorized to execute the program, and will determine the effect of proposed changes on approved cost, schedules, procurement plans, and performance objectives. Officials having final decision authority during programming, reprogramming, and budgeting deliberations will consider the PM's evaluation.

b. COMNAVAIR will be informed, via chain of command, in any situation where requirements of the program cannot be completed within the resources and time available.

c. The OPNAV sponsor will be informed, through program channels, in any instance where requirements of the program cannot be completed within the resources and time available.

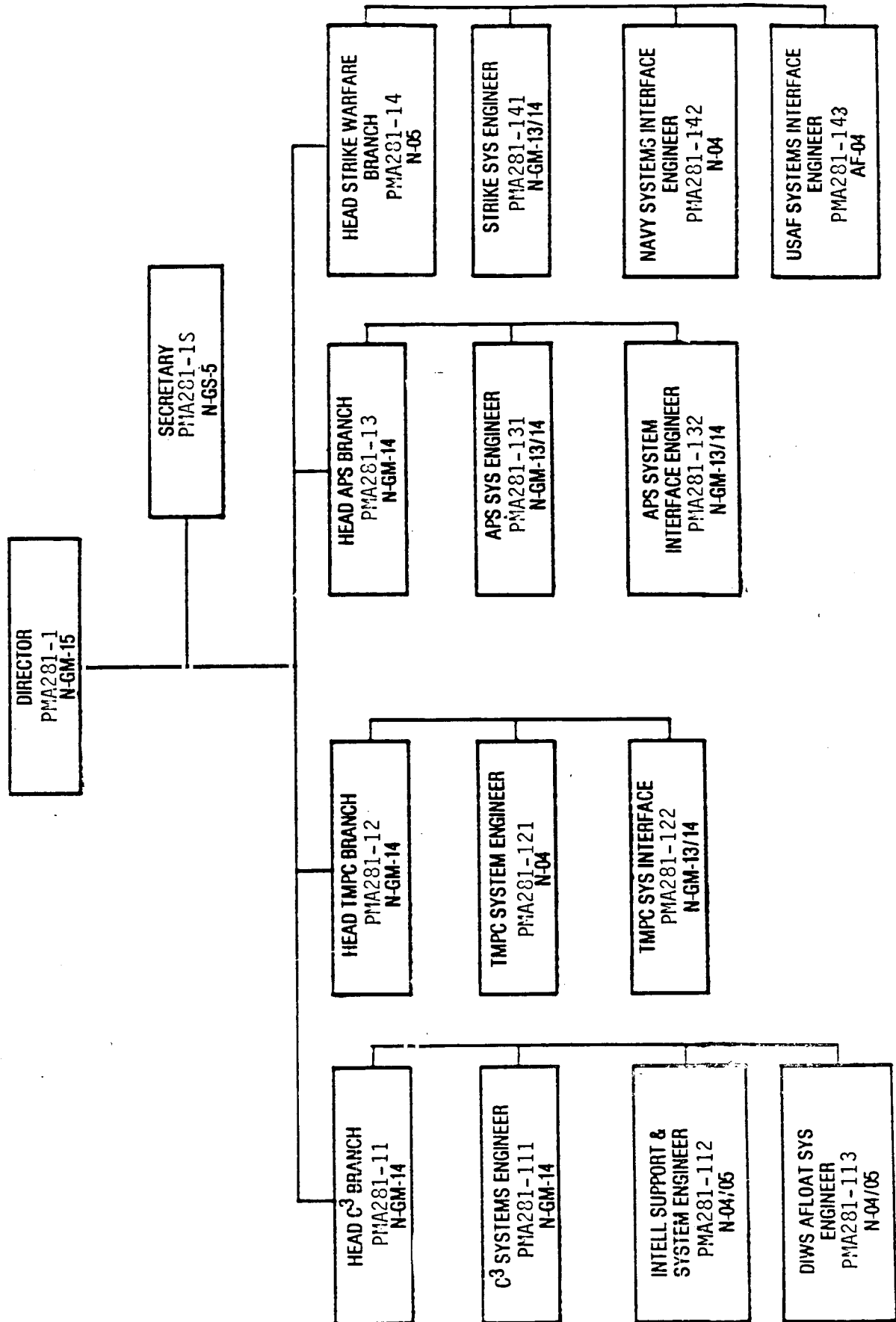
12. Program Transition or Disestablishment. This program will be reviewed periodically, following fleet introduction of the TMPC upgrade program and APS to determine if it has accomplished its objectives. If the review indicates objectives have been or are near completion, the PM will develop a transition plan to ensure a smooth disposition of remaining resources, responsibilities, and functions.

CRUISE MISSILES COMMAND & CONTROL PROGRAM (PMA281)



NOTES: 1. INTELL/SSO DOUBLE HATTED AS
HEAD WPC TECH SUPPORT BRANCH
2. MPET

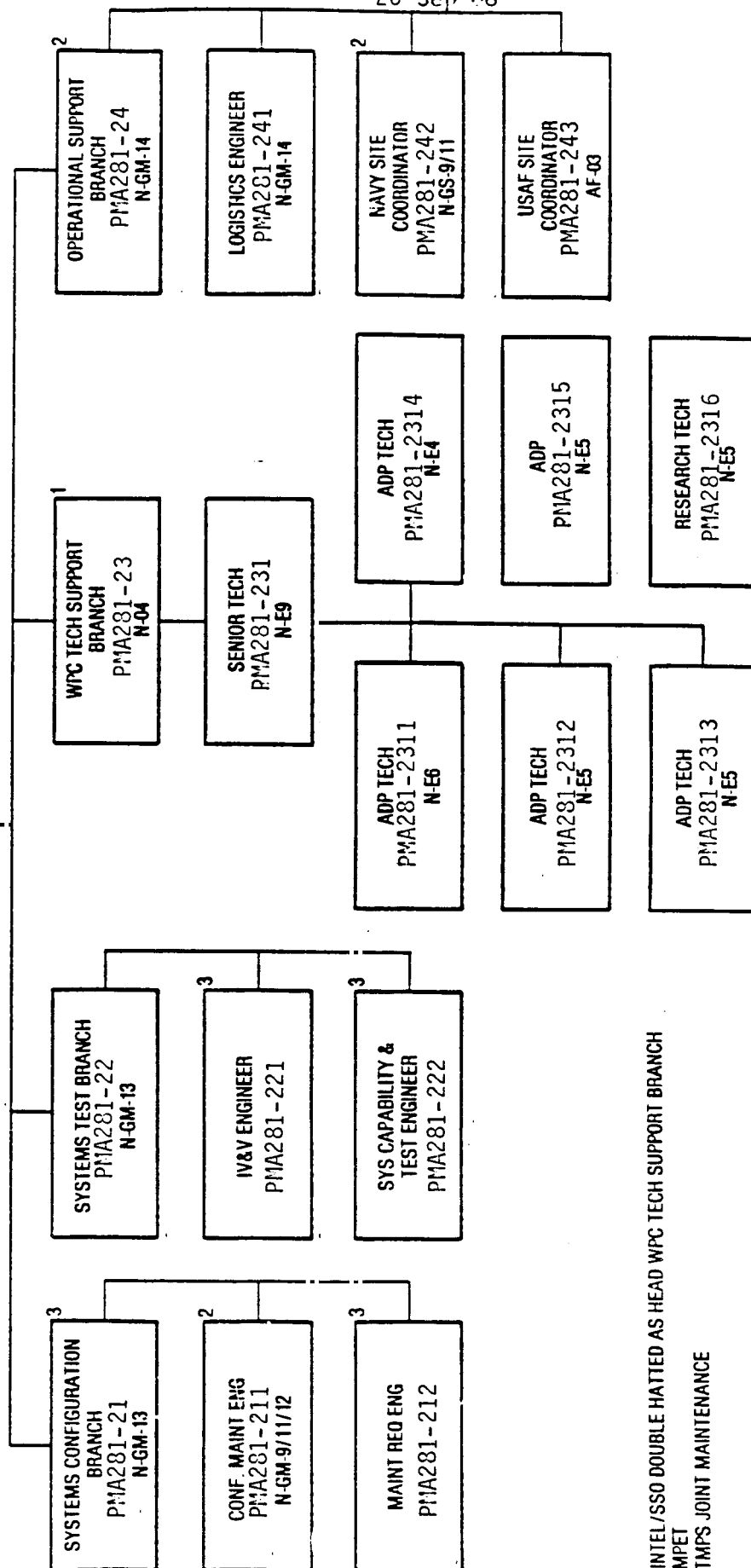
CRUISE MISSILES COMMAND & CONTROL PROGRAM (PMA281) SYSTEMS DEVELOPMENT DIVISION (PMA281-1)



CRUISE MISSILES COMMAND & CONTROL PROGRAM (PMA281) O&M DIVISION (PMA281-2)

DIRECTOR
PMA281-2
N-GM-14

SECRETARY
PMA281-2S
N-GS-3/4/5



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1. INTEL/SSO DOUBLE HATTED AS HEAD WPC TECH SUPPORT BRANCH
2. MPET
3. TMPS JOINT MAINTENANCE

13/146

OTHER KEY MANPOWER RESOURCES

COLLOCATED FUNCTIONS

TITLE

CODE

Legal Office of Counsel (Cruise Missiles)

AIR-00C6

Cruise Missiles Contracts Division

AIR-217

Cost Analysis Division (Cruise Missiles)

AIR-52444

Head, Accounting Operations and Other Customer
Budget Execution Branch

AIR-8023

15/16B

15/16B

SUPPORTING/PARTICIPATING ORGANIZATIONS

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Commander in Chief U.S. Pacific Fleet	Camp Smith, HI	Theater mission planning center operational using command
Commander in Chief U.S. Atlantic Fleet	Norfolk, VA	Theater mission planning center operational using command
Commander in Chief U.S. Pacific Fleet	Pearl Harbor, HI	- Fleet resource tasking
Commander in Chief U.S. Atlantic Fleet	Norfolk, VA	Fleet resource tasking
Commander, Third Fleet	Pearl Harbor, HI	TOMAHAWK tactics development
Commander, Second Fleet	Norfolk, VA	TOMAHAWK tactics development
Submarine Support Facility U.S. Atlantic Fleet	Norfolk, VA	Mission data update test coordination
Submarine Support Facility U.S. Pacific Fleet	Pearl Harbor, HI	Mission data update test coordination
Joint Strategic Target Planning Staff	Omaha, NB	Theater mission planning system operational using targeting and command planning staff
Office, Joint Chiefs of Staff	Washington, DC	Theater mission planning center oversight and transition planning
Office of the Chief of Naval Operations (OP-07)	Washington, DC	Cruise missile steering executive committee; over- the-horizon targeting steering committee
Office of the Chief of Naval Operations (OP-094)	Washington, DC	Theater mission planning center and mission display system resource and program sponsor; auxiliary power supply program sponsor

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SUPPORTING/PARTICIPATING ORGANIZATIONS (con.)

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Office of the Chief of Naval Operations (OP-03)	Washington, DC	Auxiliary power supply resource sponsor; item support policy statement resource sponsor with OP-05; chairperson cruise missiles steering committee
Office of the Chief of Naval Operations (OP-05)	Washington, DC	Tactical aircraft planning system resource and program sponsor; item support policy statement resource sponsor with OP-03
Office of the Chief of Naval Operations (OP-92)	Washington, DC	Intelligence interfaces; Navy joint strategic intelligence planning system program and resource sponsor
Office of the Chief of Naval Operations (OP-096)	Washington, DC	Mapping, chartering, and geodesy sponsor; Defense Mapping Agency liaison
Office of the Assistant Secretary of the Navy (Research, Engineering and Systems)	Washington, DC	Program direction authority
Commander, Operational Test and Evaluation Force	Norfolk, VA	Operational test and evaluation force
Naval Surface Weapons Center	Dahlgren, VA	Auxiliary power supply, land based test facility; ship weapons control system support laboratory
Pacific Missile Test Center	Pt. Mugu, CA	Weapon system test and evaluation

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SUPPORTING/PARTICIPATING ORGANIZATIONS (con.)

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Space and Naval Warfare Systems Command	Washington, DC	Over-the-horizon targeting; detection, classification, and tracking; integrated strike warfare; System architecture; and officer-in-tactical-command information exchange subsystem and tactical digital information exchange system coordination
Naval Underwater Systems Center	Newport, RI	Submarine combat control system
Naval Avionics Center	Indianapolis, IN	Digital scene matching area correlator development and test
Naval Intelligence Command	Washington, DC	Special security
Naval Regional Contracting Center Branch	Washington, DC	Contracting support
Naval Intelligence Support Center	Suitland, MD	Threat analysis and consultant on foreign technology
Naval Sea Systems Command	Washington, DC	Integration of submarine cooperative logistics support and fire control system; surface ship allotted baseline and visual landing system
Naval Weapons Evaluation Facility	Albuquerque, NM	Nuclear safety and procedures
Naval Ship Weapon System Engineering Station	Port Hueneme, CA	Logistic and test support for ship platforms
Defense Mapping Agency Headquarters	Washington, DC	Mapping, charting, and geodesy
Defense Communications Agency	Washington, DC	Communications systems

SUPPORTING/PARTICIPATING ORGANIZATIONS (con.)

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Naval Ocean Systems Center	San Diego, CA	Command and control system and decision aid development
Joint Data Systems Support Center	Washington, DC	Theater mission planning system software maintenance nuclear mission planning center
Naval Air Test Center	Patuxent River, MD	East coast test range support
Naval Electronic Systems Engineering Center	Portsmouth, VA	Installation and engineering support
Defense Nuclear Agency	Washington, DC	TOMAHAWK land attack missiles and nuclear
Naval Surface Weapons center	White Oak, MD	Fleet mission program library
Navy and Marine Corps Intelligence Training Center	Dam Neck, VA	Mission planning intelligence and data-base training
Defense Intelligence Agency	Washington, DC	Intelligence interfaces
Office of the Secretary of Defense (Science and Technology)	Washington, DC	TOMAHAWK support
Office of the Secretary of Defense (Command, Control Communications and Intelligence)	Washington, DC	Theater mission planning center and theater mission planning center upgrade auxiliary power supply command and control, intelligence system and interfaces
Office of the Secretary of Defense (Operational Test and Evaluation)	Washington, DC	Theater mission planning center operational test and evaluation oversight